

**Wings of
technology
Spirit of
innovation**

UBE

Castellon (Spain), 20th January, 2011.

**UBE will set up an electrolyte development centre
for large lithium-ion batteries in Europe.**

Castellon (Spain), 20th January, 2011.

UBE will set up an electrolyte development centre for large lithium-ion batteries in Europe.

UBE Chemical Europe S.A. will install a development centre for functional electrolytes on its premises, in order to meet the rapidly expanding demand for large lithium-ion batteries used for automobile and energy storage applications in Europe and North America.

With this installation, European and North American battery manufacturers will be able to draw on UBE's vast experience in the field of functional electrolytes for developing batteries with increased performance. The installation will include equipment for sample preparation and specialized analysis and will start operation in the spring of 2011.

UBE produces in Japan **electrolytes and separators**, two out of the four main components of lithium-ion batteries. In 1997, UBE introduced the "**functional electrolytes**", based on its own technologies in chemical synthesis and electrochemistry. A multitude of electrolyte formulations have been developed to match the functional requirements of specific battery types such as power, durability, charging speed, safety...thus contributing to improve overall performance and expand applications of the lithium-ion batteries in recent years.

UBE owns key patents in the field of electrolyte for lithium-ion batteries. It has been ranked at the number one position for the relevance and quality of patents for organic electrolyte solutions in an assessment made by *Patent Results Co.,Ltd.*

By setting up this new electrolyte development centre, UBE will be able to carry out a smooth and continuous sample provision, allowing for and encouraging a more efficient evaluation work by its customers within Europe and North America. This will enhance the functional electrolytes supply framework for automobile and battery makers in both areas.

UBE Chemical Europe S.A. (www.ube.es) is located in Castellon, Spain and wholly owned by UBE Industries, Ltd. through UBE Corporation Europe S.A. It manufactures and sells polymer intermediates and fine chemicals. The Castellon site is shared with its sister company, UBE Engineering Plastics S.A., manufacturing and selling polyamides for food packaging and automotive applications.

UBE Industries, Ltd., founded in 1897, is a chemical company based in UBE, Japan and listed on the Tokyo Stock Exchange. (4208:TYO) (www.ube-ind.co.jp)

Contact:

Mr. Pablo Cruz. Corporate Manager, UBE Corporation Europe, S.A.

p.cruz@ube.es tel +34964738000
